In Memorial

Miguel Arias, Orange County MVCD, California
Alan Clements, London School of Hygiene & Tropical Medicine
Fernando Fregoso, Coachella Valley MVCD, California
Rick Hickman, Brunswick County, North Carolina
Dean May, AMVAC
Dennis Moore, Passaic County MC, New Jersey
Joe Rowell, Mecklenburg County, North Carolina
Dan Strickman, US Army, USDA, Bill & Melinda Gates Foundation
David Sullivan, Montana MVCA
William Walton, UC Riverside
Approval of the
April 22, 2020
Meeting Minutes
Introductions

President
Ary Faraji

President-Elect
Mark Breidenbaugh

Vice President
Dennis Wallette

Treasurer
Gary Hatch

Technical Advisor
Dave Brown

Executive Director
Megan MacNee
Financial Report

Gary Hatch
2019-2020 Sources of Revenue

- Membership/Admin
  - 44%
- Annual Meeting
  - 27%
- Washington Day
  - 2%
- Publications
  - 12%
- Legislative Advocacy
  - 23%
- Webinar
  - 1%
2020-2021 Mid Year Sources of Revenue*

- Legislative Advocacy: 48%
- Membership/Admin: 41%
- Publications: 12%
- Annual Meeting: 2%
- Washington Day: 2%
- Webinar: 0%

*Revenue received as of Dec. 31, 2020.
2019-2020 Expenses

- Membership / Admin: 43%
- Legislative Advocacy: 26%
- Publications: 18%
- Annual Meeting: 11%
- Washington Day: 0%
- Webinar: 2%
2020-2021 Mid Year Expenses

- Membership / Admin: 55%
- Legislative Advocacy: 16%
- Publications: 14%
- Webinar: 1%
- Annual Meeting: 14%
- Washington Day: 0%

*Expenses received as of Dec. 31, 2020.
Income vs. Expenses 2019-2020

Income vs. Expense

Memb/Admin: $145,695, $177,265
AM: $46,089, $201,049
Wash: $2,150
Pubs: $39,423, $75,964
Webinars: $3,665
Leg: $107,521, $167,193

$0 $50,000 $100,000 $150,000 $200,000 $250,000

Income Expense
Income vs. Expenses 2020-2021 Mid Year

Income 2014-2020

<table>
<thead>
<tr>
<th>Year</th>
<th>Membership/Admin</th>
<th>Annual Meeting</th>
<th>Washington Conf</th>
<th>Pubs</th>
<th>Webinars</th>
<th>Legislative Adv</th>
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<tbody>
<tr>
<td>2014-2015</td>
<td>$100,000</td>
<td>$200,000</td>
<td>$300,000</td>
<td>$400,000</td>
<td>$500,000</td>
<td>$600,000</td>
</tr>
<tr>
<td>2015-2016</td>
<td>$200,000</td>
<td>$300,000</td>
<td>$400,000</td>
<td>$500,000</td>
<td>$600,000</td>
<td>$700,000</td>
</tr>
<tr>
<td>2016-2017</td>
<td>$300,000</td>
<td>$400,000</td>
<td>$500,000</td>
<td>$600,000</td>
<td>$700,000</td>
<td>$800,000</td>
</tr>
<tr>
<td>2017-2018</td>
<td>$400,000</td>
<td>$500,000</td>
<td>$600,000</td>
<td>$700,000</td>
<td>$800,000</td>
<td>$900,000</td>
</tr>
<tr>
<td>2018-2019</td>
<td>$500,000</td>
<td>$600,000</td>
<td>$700,000</td>
<td>$800,000</td>
<td>$900,000</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>2019-2020</td>
<td>$600,000</td>
<td>$700,000</td>
<td>$800,000</td>
<td>$900,000</td>
<td>$1,000,000</td>
<td>$1,100,000</td>
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</tbody>
</table>
Expenses 2014-2020

<table>
<thead>
<tr>
<th>FY</th>
<th>Revenue</th>
<th>Expenditures</th>
<th>FY</th>
<th>Revenue</th>
<th>Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002-03</td>
<td>$105,824.00</td>
<td>$117,916.00</td>
<td>2012-13</td>
<td>$147,384.00</td>
<td>$86,575.00</td>
</tr>
<tr>
<td>2003-04</td>
<td>$77,762.00</td>
<td>$99,662.00</td>
<td>2013-14</td>
<td>$148,019.00</td>
<td>$106,925.00</td>
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<tr>
<td>2004-05</td>
<td>$83,032.00</td>
<td>$84,833.00</td>
<td>2014-15</td>
<td>$155,374.00</td>
<td>$80,417.00</td>
</tr>
<tr>
<td>2005-06</td>
<td>$72,728.00</td>
<td>$43,026.00</td>
<td>2015-16</td>
<td>$146,817.00</td>
<td>$74,520.00</td>
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<tr>
<td>2006-07</td>
<td>$95,730.00</td>
<td>$39,780.00</td>
<td>2016-17</td>
<td>$154,238.00</td>
<td>$78,478.00</td>
</tr>
<tr>
<td>2007-08</td>
<td>$125,809.00</td>
<td>$86,414.00</td>
<td>2017-18</td>
<td>$169,292.00</td>
<td>$163,721.00</td>
</tr>
<tr>
<td>2008-09</td>
<td>$121,519.00</td>
<td>$123,137.00</td>
<td>2018-19</td>
<td>$184,727.00</td>
<td>$92,934.00</td>
</tr>
<tr>
<td>2009-10</td>
<td>$139,376.00</td>
<td>$161,857.00</td>
<td>2019-20</td>
<td>$167,192.80</td>
<td>$107,521.25</td>
</tr>
<tr>
<td>2010-11</td>
<td>$132,330.00</td>
<td>$92,168.00</td>
<td>2020-21</td>
<td>$173,174.61</td>
<td>$51,968.50</td>
</tr>
<tr>
<td>2011-12</td>
<td>$138,980.00</td>
<td>$111,662.00</td>
<td></td>
<td>Totals</td>
<td>$2,198,941.00 $1,644,025.00</td>
</tr>
</tbody>
</table>
AMCA Membership by Region

- North Atlantic: 10%
- Mid-Atlantic: 8%
- South Atlantic: 21%
- North Central: 14%
- South Central: 11%
- West Central: 8%
- South Pacific: 13%
- North Pacific: 7%
- International: 8%
# AMCA Membership Update

As of February 26, 2021

<table>
<thead>
<tr>
<th>Type</th>
<th>Renewals</th>
<th>Total Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular Member</td>
<td>707</td>
<td>$102,515.00</td>
</tr>
<tr>
<td>Retired Member</td>
<td>59</td>
<td>$3,835.00</td>
</tr>
<tr>
<td>Student Member</td>
<td>60</td>
<td>$2,100.00</td>
</tr>
<tr>
<td>Sustaining Corporate Member</td>
<td>16</td>
<td>$2,320.00</td>
</tr>
<tr>
<td>Sustaining Government Member</td>
<td>89</td>
<td>$12,905.00</td>
</tr>
<tr>
<td>Totals</td>
<td>931</td>
<td>$123,675.00</td>
</tr>
</tbody>
</table>

**2020-21 Budgeted Goal**

<table>
<thead>
<tr>
<th></th>
<th>$110,013.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>112% of Budgeted</td>
</tr>
</tbody>
</table>

**2019-20 Actual Total Membership**

<table>
<thead>
<tr>
<th></th>
<th>$137,940.51</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90% of total prior year</td>
</tr>
</tbody>
</table>
Registered Attendees: 972

Speakers: 267

Exhibits: 22
- 148 Exhibiting Attendees

Total Participation: 1,120
Committee Reports
Young Professionals Group

• Thank you to our awesome 2020-2021 committee members!
  ❖ Kristina Lopez, Chair ❖ Sarah Lawton, Co-Chair ❖ Stormy Freese, Past-Chair
  ❖ Caleb Corona ❖ Pablo Cabrera ❖ Corey Day ❖ Drew Lysaker
  ❖ Tristan Ford ❖ Caroline Gongora ❖ Hadis Hosseinzadehnaseri

• Join the YP group to receive updates on all our activities and programs
  • AMCA website → Membership → Young Professionals

• Visit our website for information about the group, including all of our archived webinars
  • amcaycps.wordpress.com
Legislative and Regulatory

- Provides technical advice to members
  - If you get in a jam, you can call us for resources
- Supports funding for control, surveillance and research
  - Watch for forms coming to your email this week!
  - Important to the success of the association that everyone participate in funding requests.
- Coordinates with many organizations to get you training and news
- Tracks bills and regulations relating to mosquito control
  - Representatives on Capitol Hill are working for you year-round
  - Legal representatives are standing by to provide guidance
  - Subject matter experts meet with regulators and prepare reports on your behalf
Annual Washington Conference

Save the Date
May 10-14, 2021
Virtual Event
Registration & More Details Coming Soon

www.mosquito.org
<table>
<thead>
<tr>
<th>Region</th>
<th>Representative</th>
</tr>
</thead>
<tbody>
<tr>
<td>South Atlantic</td>
<td>Robin King</td>
</tr>
<tr>
<td>North Central</td>
<td>Dave Zazra</td>
</tr>
<tr>
<td>South Pacific</td>
<td>Jared Dever</td>
</tr>
<tr>
<td>Mid Atlantic</td>
<td>Meredith R. Spence Beaulie</td>
</tr>
<tr>
<td>West Central</td>
<td>Gary Hatch</td>
</tr>
<tr>
<td>North Atlantic</td>
<td>Timothy D. Deschamps</td>
</tr>
<tr>
<td>North Pacific</td>
<td>Jake Rubow</td>
</tr>
<tr>
<td>South Central</td>
<td>Jennifer Bushnell</td>
</tr>
</tbody>
</table>

- Looking for International Region Representative
- Developed Talking points for SIT/GMO for website
- Used Social Media to educate Legislators on SMASH Act and Tick Act
National Mosquito Control Awareness Week 2021
June 20th - June 26th
Science & Technology Committee

AMCA Research Fund (AMCARF) Subcommittee, led by Craig Stoops
• Administered 4th annual funding cycle (2021); submitted Wing Beats ms highlighting AMCARF.

Poster Competition Subcommittee, led by Nik Nikbakhtzadeh
• Modified 2021 Poster Competition for virtual format.

UAS Subcommittee, led by Carl Boohene
• Developing collaboration among industry, legislative, and operational groups

SIT Subcommittee, led by Keira Lucas
• Developed public relations outreach to unify the message of SIT across operational districts; conducted SIT training at the FMCA 2021 Short Courses.

GIS Subcommittee, led by Desireé Keeney
• Represented AMCA GIS at VectorWeek, networking with other mosquito distribution and inventory efforts; devised ways to facilitate upload and archiving of district surveillance data.

New 2021 YP Liaison, Tristan Ford
2021 AMCA Research Fund

In May 2020 AMCARF called for pre-proposals.

We received 48 pre-proposals, called for eight full-proposals with two proposals receiving funding:

Review Committee Chair: Mark Breidenbaugh (Northwest MCVD), President-Elect AMCA
Review Committee Coordinator: Craig Stoops (Industry)
Science and Technology Committee Chair: Seth Britch (USDA)

Reviewer by general category:
1) Industry
   Broox Boze (VDCI)
2) District personnel
   Angela Caranci (Northwest MCVD)
   Keira Lucas (Collier MCD)
   Gregory Williams (Hudson RHC)
   Levi Zahn (Williston Vector Control)
3) University personnel
   Matthew Aardema (Montclair State Univ)
   Justin Harbison (Loyola Univ Chicago)
   Sarah Michaels (Tulane University)
4) Government Public Health
   Erica Lindroth (AFPMB)
   Janet McAllister (CDC)
2021 AMCA Research Fund

**Modified attractive toxic sugar baits for Aedes vectors**

PI: Dr. Jason Pitts, Baylor University $51,618

**Evaluating the impacts of mosquito control on bumblebees**

PI: Dr. Thomas O’Shea-Wheller, Louisiana State University $31,944
AMCA MRF Sponsors

- ADAPCO
- Animas Mosquito Control District
- Anonymous Contribution
- Canyon County Mosquito Abatement District
- Coachella Valley Mosquito and Vector Control District
- Contra Costa Mosquito and Vector Control District
- Dr. Geoffrey Attardo
- Lee County Mosquito Control District
- Lobel Chemical Corporation
- Michigan Mosquito Control Association
- Sacramento-Yolo Mosquito and Vector Control District
- Utah Mosquito Abatement Association
- Valent BioSciences
- Vector Disease Control International
ENDANGERED SPECIES ACT (ESA) CONSIDERATIONS IN MOSQUITO CONTROL
Nina M. Dacko and Mark Clifton 12 January 2021

TRIATOMINE VECTORS OF THE CHAGAS DISEASE PARASITE
Sarah A. Hamer 16 December 2020

MOSQUITO CONTROL EMERGENCY PREPAREDNESS AND RESPONSE TO NATURAL DISASTERS
Roxanne Connelly, Whitney Qualls, Patrick Linn, Janet McAllister, Broox Boze 14 October 2020

VECTORSURV: GEOSPATIAL CAPABILITIES AND DATA ANALYSIS TOOLS
Christopher Barker 15 July 2020

Upcoming webinar in April 2021:
Distance Diminishes the Effect of Deltamethrin Exposure on the Monarch Butterfly
B.V. Girodano
Questions??
Thank You to the Outgoing Board Members!

Jason Kinley
Past President

Chris Lesser
South Atlantic
Director

Robert Duryea
North Atlantic
Director
Passing of the Gavel
Your 2021-2022 Officers

Mark Breidenbaugh, PhD  
President

Dennis Wallette  
President-Elect

Kristen Healey, PhD  
Vice President

Gary Hatch  
Treasurer

Ary Faraji, PhD  
Past President
2020-2021 Directors

Broox Boze, PhD
Industry

Brian Byrd, PhD
Mid-Atlantic

Robert Carter
South Atlantic

Gary Goodman
South Pacific

Mark Clifton, PhD
North Central

Lee Cohnstaedt, PhD
West Central

Herff Jones
South Central

Gregory Barron
North Pacific

Catalina Alfonso-Parra, PhD
International

Priscilla Matton
North Atlantic
2020-2021 Committee Chairs

- Annual Meeting – Dennis Wallette
- Archives – Scott Crans
- Awards & Nominating – Ary Faraji
- Bylaws – Janet McAllister
- Executive – Ary Faraji
- Finance – Gary Hatch
- Legislative & Regulatory – Angela Beehler
- Membership – Megan MacNee
- Publications – Whitney Qualls
- Public Relations – Dave Brown
- Science & Technology – Jennifer Henke
- Training & Member Education – Isik Unlu
- Young Professionals – Kristina Lopez
  - YP Advisor – Kristy Burkhalter
New Business

Mark Breidenbaugh
Closing Remarks

Mark Breidenbaugh
SEE YOU ALL IN 2022!

AMCA 2022 Annual Meeting
February 28, 2022 – March 4, 2022
Jacksonville, Florida

Save the date and keep an eye on the AMCA website & newsletters for more details this fall!

Note: While we hope to hold an in-person meeting in 2022, AMCA will continue to ensure the health of our attendees, the association, and the public before finalizing the format of the meeting.